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The 3-D Heliosphere at Solar Maximum

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## **The 3D Heliospheric Magnetic Field during Solar Maximum**

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From measurements made during the recent slow latitude scan by Ulysses, how has the magnetic field changed from solar minimum to solar maximum? This talk addresses specific questions derived from this more general question. How has the structure associated with fast and slow solar wind streams and their interactions been affected? Do Coronal Mass Ejections significantly restructure the high latitude field? What is the solar origin of the magnetic fields? Is the magnetic flux still uniformly distributed in latitude? How well do solar source surface models describe the sector structure and heliospheric current sheet location at high latitude? Do Alfvén waves continue to be a characteristic feature of fast solar wind streams?